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SERIES T: TERMINALS FOR TELEMATIC SERVICES

Application profiles for simultaneous voice and facsimile terminals

ITU-T Recommendation T.39

(Previously CCITT Recommendation)

ITU-T T-SERIES RECOMMENDATIONS
TERMINALS FOR TELEMATIC SERVICES

For further details, please refer to ITU-T List of Recommendations.

ITU-T RECOMMENDATION T.39

APPLICATION PROFILES FOR SIMULTANEOUS VOICE AND FACSIMILE TERMINALS

Summary

This Recommendation defines the procedures to be applied to allow Group 3 facsimile transmission simultaneously with at least speech and audio communication over the GSTN by making use of the capabilities of recommendations describing analogue or digital simultaneous voice and data transmission (Recommendations V.61, V.70 and H.324).

These procedures will allow:

- initiation of a facsimile call and enabling simultaneous speech communication during the call;
- initiation of a voice call and enabling simultaneous facsimile transmission during the call;
- initiation of a multimedia call and enabling simultaneous facsimile transmission during the call.

The use of simultaneous voice and fax capability is an option of Group 3 facsimile communication.

Source

ITU-T Recommendation T.39 was prepared by ITU-T Study Group 8 (1997-2000) and was approved under the WTSC Resolution No. 1 procedure on the 16th of October 1997.

FOREWORD

ITU (International Telecommunication Union) is the United Nations Specialized Agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the ITU. The ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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As of the date of approval of this Recommendation, the ITU had received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

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Recommendation T.39

APPLICATION PROFILES FOR SIMULTANEOUS VOICE
AND FACSIMILE TERMINALS

(Geneva, 1997)

1 Scope

This Recommendation defines the procedures to be applied to allow Group 3 facsimile transmission simultaneously with at least speech and audio communication over the GSTN by making use of the capabilities of recommendations describing analogue or digital simultaneous voice and data transmission (Recommendations V.61, V.70 and H.324).

These procedures will allow:

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- initiation of a multimedia call and enabling simultaneous facsimile transmission during the call.

The use of simultaneous voice and fax capability is an option of Group 3 facsimile communication.

2 References**2.1 Normative references**

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; all users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent editions of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published.

- ITU-T Recommendation G.723.1 (1996), *Speech coders: Dual rate speech coder for multimedia communications transmitting at 5.3 and 6.3 kbit/s.*
- ITU-T Recommendation H.223 (1996), *Multiplexing protocol for low bit rate multimedia communication.*
- ITU-T Recommendation H.324 (1996), *Terminal for low bit rate multimedia communication.*
- ITU-T Recommendation H.245 (1997), *Control protocol for multimedia communication.*
- ITU-T Recommendation T.4 (1996), *Standardization of Group 3 facsimile terminals for document transmission.*
- ITU-T Recommendation T.30 (1996), *Procedures for document facsimile transmission in the general switched telephone network.*
- ITU-T Recommendation T.66 (1997), *Facsimile code points for use with Recommendation V.8 bis.*
- CCITT Recommendation T.90 (1992), *Characteristics and protocols for terminals for telematic services in ISDN.*
- ITU-T Recommendation V.8 (1994), *Procedures for starting sessions of data transmission over the general switched telephone network.*
- ITU-T Recommendation V.8 bis (1996), *Procedures for the identification and selection of common modes of operation between data circuit-terminating equipments (DCEs) and between Data Terminal Equipments (DTEs) over the general switched telephone network and on leased point-to-point telephone-type circuits.*
- ITU-T Recommendation V.34 (1996), *A modem operating at data signalling rates of up to 33 600 bit/s for use on the general switched telephone network and on leased point-to-point 2-wire telephone-type circuits.*